

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/903,944

1649

DATE: 08/19/98
TIME: 12:44:23

INPUT SET: S28123.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: CHOU, Tau-San
EISENREICH, Robert
SANFORD, John
BLOWERS, Alan
SMITH, Franzine
VAN ECK, Joyce

(ii) TITLE OF INVENTION: PRODUCTION OF TRANSGENIC POINSETTIA

(iii) NUMBER OF SEQUENCES: 23

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Foley & Lardner
(B) STREET: 3000 K Street, N.W., Suite 500
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: USA
(F) ZIP: 20007-5109

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/903,944
(B) FILING DATE: 31-JUL-1997
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: GRANADOS, Patricia D.
(B) REGISTRATION NUMBER: 33,683
(C) REFERENCE/DOCKET NUMBER: 89166/107

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (202)672-5300
(B) TELEFAX: (202)672-5399
(C) TELEX: 904136

(2) INFORMATION FOR SEQ ID NO:1:

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PATENT APPLICATION US/08/903,944DATE: 08/19/98
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47
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 23 amino acids
50 (B) TYPE: amino acid
51 (C) STRANDEDNESS: single
52 (D) TOPOLOGY: linear
53
54
55
56
57
58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
59
60 Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala Phe
61 1 5 10 15
62
63 Val Gly Glu Ile Met Asn Ser
64 20
65
66 (2) INFORMATION FOR SEQ ID NO:2:
67
68 (i) SEQUENCE CHARACTERISTICS:
69 (A) LENGTH: 21 amino acids
70 (B) TYPE: amino acid
71 (C) STRANDEDNESS: single
72 (D) TOPOLOGY: linear
73
74
75
76
77
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
79
80 Gly Met Ala Ser Lys Ala Gly Ala Ile Ala Gly Lys Ile Ala Lys Val
81 1 5 10 15
82
83 Ala Leu Lys Ala Leu
84 20
85
86 (2) INFORMATION FOR SEQ ID NO:3:
87
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 22 amino acids
90 (B) TYPE: amino acid
91 (C) STRANDEDNESS: single
92 (D) TOPOLOGY: linear
93
94
95
96
97
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
99

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100 Gly Ile Gly Lys Phe Leu Lys Ser Ala Lys Lys Phe Gly Lys Ala Phe
101 1 5 10 15
102

103 Val Lys Ile Leu Asn Ser
104 20
105

106 (2) INFORMATION FOR SEQ ID NO:4:

107
108 (i) SEQUENCE CHARACTERISTICS:
109 (A) LENGTH: 21 amino acids
110 (B) TYPE: amino acid
111 (C) STRANDEDNESS: single
112 (D) TOPOLOGY: linear
113
114
115
116
117

118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

119
120 Lys Ile Ala Gly Lys Ile Ala Lys Ile Ala Gly Lys Ile Ala Lys Ile
121 1 5 10 15
122
123 Ala Gly Lys Ile Ala
124 20
125

126 (2) INFORMATION FOR SEQ ID NO:5:

127
128 (i) SEQUENCE CHARACTERISTICS:
129 (A) LENGTH: 27 amino acids
130 (B) TYPE: amino acid
131 (C) STRANDEDNESS: single
132 (D) TOPOLOGY: linear
133
134
135
136
137

138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

139
140 Lys Arg Lys Arg Ala Val Lys Arg Val Gly Arg Arg Leu Lys Lys Leu
141 1 5 10 15
142
143 Ala Arg Lys Ile Ala Arg Leu Gly Val Ala Phe
144 20 25
145

146 (2) INFORMATION FOR SEQ ID NO:6:

147
148 (i) SEQUENCE CHARACTERISTICS:
149 (A) LENGTH: 75 base pairs
150 (B) TYPE: nucleic acid
151 (C) STRANDEDNESS: single
152 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING
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153
154
155
156 (ix) FEATURE:
157 (A) NAME/KEY: CDS
158 (B) LOCATION: 1..72
159
160 (ix) FEATURE:
161 (A) NAME/KEY: mat_peptide
162 (B) LOCATION: 1..72
163
164
165 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
166
167 ATG GGC ATC GGA AAG TTC CTT CAC AGT GCA AAG AAG TTC GGA AAG GCC 48
168 Met Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala
169 1 5 10 15
170
171 TTC GTG GGT GAG ATC ATG AAC AGT TAA 75
172 Phe Val Gly Glu Ile Met Asn Ser
173 20
174
175
176 (2) INFORMATION FOR SEQ ID NO:7:
177
178 (i) SEQUENCE CHARACTERISTICS:
179 (A) LENGTH: 24 amino acids
180 (B) TYPE: amino acid
181 (D) TOPOLOGY: linear
182
183 (ii) MOLECULE TYPE: protein
184
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
186
187 Met Gly Ile Gly Lys Phe Leu His Ser Ala Lys Lys Phe Gly Lys Ala
188 1 5 10 15
189
190 Phe Val Gly Glu Ile Met Asn Ser
191 20
192
193 (2) INFORMATION FOR SEQ ID NO:8:
194
195 (i) SEQUENCE CHARACTERISTICS:
196 (A) LENGTH: 72 base pairs
197 (B) TYPE: nucleic acid
198 (C) STRANDEDNESS: single
199 (D) TOPOLOGY: linear
200
201
202
203 (ix) FEATURE:
204 (A) NAME/KEY: CDS
205 (B) LOCATION: 1..69

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206
207 (ix) FEATURE:
208 (A) NAME/KEY: mat_peptide
209 (B) LOCATION: 1..69
210
211
212 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
213
214 ATG GGA ATC GGC AAG TTC CTC AAG AGC GCA AAG AAG TTT GGC AAG GCC 48
215 Met Gly Ile Gly Lys Phe Leu Lys Ser Ala Lys Lys Phe Gly Lys Ala
216 1 5 10 15
217
218 TTC GTG AAG ATC CTG AAC TCC TAA 72
219 Phe Val Lys Ile Leu Asn Ser
220 20
221
222
223 (2) INFORMATION FOR SEQ ID NO:9:
224
225 (i) SEQUENCE CHARACTERISTICS:
226 (A) LENGTH: 23 amino acids
227 (B) TYPE: amino acid
228 (D) TOPOLOGY: linear
229
230 (ii) MOLECULE TYPE: protein
231
232 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
233
234 Met Gly Ile Gly Lys Phe Leu Lys Ser Ala Lys Lys Phe Gly Lys Ala
235 1 5 10 15
236
237 Phe Val Lys Ile Leu Asn Ser
238 20
239
240 (2) INFORMATION FOR SEQ ID NO:10:
241
242 (i) SEQUENCE CHARACTERISTICS:
243 (A) LENGTH: 69 base pairs
244 (B) TYPE: nucleic acid
245 (C) STRANDEDNESS: single
246 (D) TOPOLOGY: linear
247
248
249
250 (ix) FEATURE:
251 (A) NAME/KEY: CDS
252 (B) LOCATION: 1..66
253
254 (ix) FEATURE:
255 (A) NAME/KEY: mat_peptide
256 (B) LOCATION: 1..66
257
258

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SEQUENCE VERIFICATION REPORT
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Original Text